



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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No. 21] NEW DELHI, SATURDAY, MAY 27, 1978 (JYAISTHA 6, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS & DESIGNS

Calcutta, the 27th May 1978

#### CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated the 3rd December, 1977 under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 974, column 2, line 10, against No. 143451—  
For Patent Office, Calcutta  
Read Patent Office, Bombay Branch

(2)

In page 976, column 1, line 11 against No. 143458—  
For Patent Office, Calcutta.  
Read Patent Office, Delhi Branch.

(3)

In page 976, column 1, against No. 143459—  
Insert Application No. 501/Cal/75 filed March 14, 1975  
Before Appropriate office for opposition Proceedings

(4)

In page 978, column 1, line 14, against No. 143469—  
For Patent Office, Calcutta,  
Read Patent Office, Delhi Branch.

(2)

In the Gazette of India, Part III, Section 2, dated the 24th December 1977, under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 1026, column, line 11, against No. 143549—  
For Patent Office, Calcutta,  
Read Patent Office, Bombay Branch.

(2)

In page 1027, column 1, line 7, against No. 143550—  
For Patent Office, Calcutta,  
Read Patent Office, Bombay Branch.

(3)

In page 1027, column 1, line 5, against No. 143551—

For Applicant & Inventors : FRITZ STAHLER, ATJOSE-PHNEIDHART-STRASSE, HANS STAHLER, HALDENSTRASSE 20, D-7334, SUESSEN, WEST GERMANY, & 18, D-7341 BAD UEBERKINGEN, WEST GERMANY.

Read Applicant & Inventors : HANS STAHLER, HALDENSTRASSE 20, D-7334, SUESSEN, WEST GERMANY, & FRITZ STAHLER, JOSEPH-NEIDHART-STRASSE, 18 D-7341 BAD UEBERKINGEN, WEST GERMANY.

and

in line 12,  
For Patent Office, Calcutta  
Read Patent Office, Bombay Branch.

(3)

In the Gazette of India, Part III, Section 2, dated the 31st December 1977, under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 1045, column 2, line 5,

*For* No. 143875

*Read* 143575.

In page 1045, column 2, line 4, against No. 143576—

*Insert* A CLAMPING DEVICE

*Before* Applicant

and

in line 7,

*For* Application No. 223/Cal/75

*Read* Application No. 2230/Cal/75

(2)

In page 1051, column 1, line 1,

*For* No. 133600—

*Read* 143600.

(3)

In page 1052, column 2, line 10, against No. 143607—

*For* Patent Office, Calcutta

*Read* Patent Office, Delhi Branch.

(4)

In page 1052, column 2, line 11, against No. 143608—

*For* Patent Office, Calcutta,

*Read* Patent Office, Madras Branch.

(5)

In page 1053, column 1, line 2, against No. 143609—

*For* Patent Office, Calcutta,

*Read* Patent Office, Madras Branch.

(6)

In page 1053, column 1, line 9, against No. 143610—

*For* Patent Office, Calcutta,

*Read* Patent Office, Bombay Branch.

(7)

In page 1053, column 1, line 10, against No. 143611—

*For* Patent Office, Calcutta,

*Read* Patent Office Bombay Branch.

(4)

In the Gazette of India, Part III, Section 2, dated the 7th January 1978, under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 5, column 2, line 9, against No. 143625—

*For* Application No. 2355/Cal/75

*Read* Application No. 2355/Cal/75.

(2)

In page 6, column 1, line 1, against No. 143627—

*For* CLASS 32F1 & F2 & F3d

*Read* 32F3d

(3)

In page 7, column 1, line 1, against No. 143630—

*For* CLASS E4 & B 187 E6

*Read* CLASS 187E6, E4 & B

(4)

In page 11, column 1, line 14, against No. 143647—

*For* 2 Claims

*Read* 12 Claims

(5)

In page 12, column 2, line 4, against No. 143653—

*For* CENMEN

*Read* CEMENT

(5)

In the Gazette of India, Part III, Section 2, dated the 14th January 1978, under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 31, column 1, line 9, against No. 143669—

*For* Patent Office, Calcutta,

*Read* Patent Office, Delhi Branch.

(2)

In page 31, column 1, line 2 against No. 143671—

*For* Int. Cl.-F16d 65/36

*Read* Int. Cl.-F16d 65/46

(3)

In page 36, column 1, line 5, against No. 143693—

*For* ISOBENZOFURANIS

*Read* [ISOBENZOFURAN]S.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under the Section 135 of the Act.

20th April, 1978.

429/Cal/78. Royal Tool Company, Inc. Drilling stabilizer including mechanical interlock device.

430/Cal/78. Ruhrkohle Aktiengesellschaft. A method an system for taking up gases leaking from coking ovens and for taking them away.

431/Cal/78. Hoechst Aktiengesellschaft. Process for the preparation of phthalocyanine compounds. [Divisional date May 6, 1977].

432/Cal/78. D. S. Pillai an emergency light. [Addition to No. 1139/Cal/77].

433/Cal/78. Prof. D. R. Phatak, Mrs. Vijaya Phatak and R. D. Phatak. An apparatus for preserving edible articles such as vegetables or fruits.

434/Cal/78. Combustion Engineering, Inc. Method of operating a coal gasifier.

435/Cal/78. Terrapin International Limited. Improvements in or relating to steel framed building. (April 28, 1977).

22nd April, 1978.

436/Cal/78. Sanac Societa per Azioni Refrattari Argillee Caolini. Box discharger for use with ladles, baskets and the like.

437/Cal/78 M. Kuroda. Twist detecting device.

24th April, 1978

438/Cal/78. J. Sletbak and A. Botne. Electric power cables.

439/Cal/78. Minore Pty. Ltd. and S. N. Roberts. A wash

water distributor for mineral separation apparatus. (April 29, 1977).

- 440/Cal/78. Ushio Denki Kabushiki-Kaisha. Rare gas discharge lamp.
- 441/Cal/78. Ushio Denki Kabushiki-Kaisha. Discharge lamp.
- 442/Cal/78. Ushio Denki Kabushiki-Kaisha. DC lighting, short arc type discharge lamp.
- 443/Cal/78. The Fertilizer (Planning & Development) India Ltd. An apparatus for measuring thermal conductivity of heat insulations.
- 444/Cal/78. Sumitomo Chemical Company, Limited. Process for producing anthraquinone intermediates.
- 445/Cal/78. Siemens Aktiengesellschaft. Improvements in or relating to guiding arrangements for paper sheets. (August 9, 1977).
- 446/Cal/78. Instytut Technologii Nafty. Method of preparation of electrode coke suitable for high-intensity electrodes for iron and steel metallurgy.
- 447/Cal/78. A. Gupta. An air cooler.

25th April, 1978

- 448/Cal/78. A. L. Saha, and R. K. Singh. Improvements in or relating to channel dropping filters for microwave communication systems.
- 449/Cal/78. Sandvik Aktiebolag. Means for drilling.
- 450/Cal/78. Lucas Industries Limited. Liquid fuel injection pumps. (April 30, 1977).
- 451/Cal/78. Henkel Kommanditgesellschaft Auf Aktien. Method for processing steel strip. (June 2, 1977)
- 452/Cal/78. B. Gandhi. A heated roller for use in a textile apparatus.
- 453/Cal/78. B. Gandhi. A heated roller for use in a textile apparatus.
- 454/Cal/78. D. N. Singhania. A signal circuit. [Divisional date November 16, 1976].

26th April, 1978.

- 455/Cal/78. The Fairfield Engineering Company. Waste material digesters.
- 456/Cal/78. VEB Filmfabrik Wolfen. Stabilised photographic silver halide materials
- 457/Cal/78. K. E. Tureaud. Anatomical intra-orally moldable dental impression tray and method of using the same.
- 458/Cal/78. Linde Aktiengesellschaft. Absorption refrigeration system.
- 459/Cal/78. G. dreyfus, J. Lewiner and D. Perino. A device for detecting the exceeding of a given threshold.
- 460/Cal/78. Combustion Engineering, Inc. Control of air flow in a burner for a tangentially fired boiler.

#### APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

28th March, 1978

- 223/Del/78. Mining Supplies Limited. Conveyor joint.
- 224/Del/78. Reaffix Ltee. Bicycle wheel alignment indicating instrument.
- 225/Del/78. Kali-Chemie Aktiengesellschaft. A process for the production of an alkaline containing calcined-phosphate fertiliser. (February 7, 1978).

29th March, 1978.

- 226/Del/78. Council of Scientific and Industrial Research. The improvements in or relating to recovery of

copper from industrial by product copper compounds such as copper oxide waste from copper rolling mills as well as by product copper compounds obtained from the chemical industry.

- 227/Del/78. Societe Nationale DES Poudres ET Explosifs. Glazing and soaking in an aqueous liquid medium.
- 228/Del/78. Tex Innovation AB. Horizontal packaging apparatus. (March 30, 1977).
- 229/Del/78. Houilleres DU Bassin DU Nord ET DU PAS DE Calais. New furnace walls which can be used at high temperatures..
- 230/Del/78. Extrados Company Limited. Improved pallet construction (March 31, 1977).

30th March, 1978.

- 231/Del/78. Imperial Chemical Industries Limited. Reactor. (April 18, 1977).
- 232/Del/78. Siemens-Albis Aktiengesellschaft. Improvements in or relating to a distance measurement system. (March 17, 1978).
- 233/Del/78. Societe D'Etudes DE Produits Chimiques—Societe Anonyme. Preparation of a phenoxy acetic acid derivatives. (April 22, 1977).
- 234/Del/78. Pfizer Inc. Stable tetracycline antibiotic compositions.
- 235/Del/78. Revere Corporation of America. Leverless scale sensor.

31st March, 1978

- 236/Del/78. Societe Anonyme Secmafer. Airport towing vehicle for handling large transport aircrafts.
- 237/Del/78. Fletcher Sutcliffe Wild Limited. Mine roof supports. (April 26, 1977)
- 238/Del/78. M. P. Goerge. Automatically operating filter shutter for arc-welders mask.

#### APPLICATION FOR PATENTS FILED AT THE BOMBAY (BRANCH)

28th March, 1978

- 88/Bom/78. P. S. Das. A novel device for removing poisonous gases from smoke or exhaust gases.

29th March, 1978.

- 89/Bom/78. Shri S. G. Sahasrabudhe. An improved metallic coupling for connecting electrical conductors without soldering.
- 90/Bom/78. A. A. Nagree. Improvements in or relating to a chair or sofa-cum-bed.

30th March, 1978.

- 91/Bom/78. Rocket Engineering Corporation Private Limited. Improvements in or relating to a radial drill.
- 92/Bom/78. Cummins Engine Company, Inc. An insulated composite piston for diesel engines.

31st March, 1978.

- 93/Bom/78. Ahmedabad Textile Industry's Research Association. Weft exhaust stop motion.
- 94/Bom/78. Ahmedabad Textile Industry's Research Association. An improved shuttle checking device. [Addition to No. 323/Bom/75].

1st April, 1978.

- 95/Bom/78. D. S. Naik Screen testing machine.
- 96/Bom/78. D. K. Ramjibhai. A device for making foot valves as more efficient in water pumps.

6th April 1978

97/Bom/78. Larsen & Toubro Limited. Improved device to measure power factor in electrical circuits.

98/Bom/78. A. W. Phansalkar. Lamp design using two filaments and two diodes, the diodes being placed in the lamp base, for all kinds of electrically operated lamps working on alternating current electrical supply.

99/Bom/78. Shri G. S. Kabade. Engg. Drg. 'Mirror view' teaching aid model.

7th April, 1978

100/Bom/78. M. A. Dwarkadas. Device for correction of retroversion, retroflexion and prelapse of uterus.

10th April, 1978.

101/Bom/78. R. H. Parikh. A thread guide assembly.

## ALTERATION OF DATE.

144635

1149/Cal/76.

144637.

1723/Cal/78.

} Ante-dated to May 28, 1974.

} Ante-dated to May 24, 1975.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 158-C1.

144628.

Int. Cl.-B61g 3/08.

## RAILWAY CAR COUPLER.

*Applicant* : MIDLAND-ROSS CORPORATION, OF 55, PUBLIC SQUARE, CLEVELAND, OHIO 44113, UNITED STATES OF AMERICA.

*Inventor* : KENNETH LOUIS DE PENTI.

Application No. 2785/Cal/74 filed December 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A railway car coupler of the pivoted knuckle type, having a mechanism therein operable for unlocking and opening the knuckle thereof, said mechanism including a shaft member rotatably mounted on the coupler and arranged upon rotation thereof to cause said unlocking and opening, and automatic means for effecting rotation of said shaft member, wherein the

automatic means comprise a cam element keyed to said shaft member for rotation therewith and a lever member pivoted to said coupler and biased to rotate by a spring means, said lever member having means arranged for engagement with said element for effecting rotation thereof, said last-named means comprising a roller for rolling engagement with said element.

CLASS 136-E.

144629.

Int. Cl.-B29c 3/00.

## METHOD AND APPARATUS FOR FABRICATING FLAT OBJECTS SUCH AS PRESSED PANELS AND PANELS SO PRODUCED.

*Applicant & Inventor* : ANDRE FONTVIEILLIE, OF 20 PLACE TURENNE, 59240 DUNKERQUE, FRANCE.

Application No. 1522/Cal/75 filed August 2, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A method of fabricating a pressed laminated panel, in which a laminated panel having at least one surface layer of thermoplastic or thermosettable material is compressed between two heated plates of a press and in which a vacuum is produced between the two plates of the press during the process, one of the plates being flexible along one direction, the method comprising: applying the curved flexible plate to the panel being pressed so that it makes contact along an elongate surface near a generatrix, and gradually lowering the air pressure in the press around the panel being pressed while the flexible plate is progressively flattened to planar shape by exerting pressure on a larger and larger area starting with the initial contact area to exert pressure over the entire surface of the flexible plate to shape it to planar form when the desired low pressure is attained.

CLASS 47-B.

144630.

Int. Cl.-E21c 43/00.

## REACTOR FOR THE PRESSURE GASIFICATION OF COAL.

*Applicant* : METALLGESELLSCHAFT A. G. OF 16, FRANKFURT A. M. REUTERWEG-14, WEST GERMANY.

*Inventors* : HANS KUPFER, ING. (2) PAUL LANGE, (3) PAUL RUDOLPH.

Application No. 1743/Cal/75 filed September 10, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A reactor for the pressure gasification of coal by a treatment with oxygen and water vapor and if desired, additional gasifying agents at elevated temperatures and under pressures of 5—100 bars, comprising a water-cooled jacket and a rotary grate for moving the material to be gasified and for distributing the gasifying agents introduced into the reactor characterized in that the grate consists of at least two concentric parts which are rotatable independently of each other.

CLASS 32E &amp; 152-F.

144631.

Int. Cl.-C08f 3/02; 15/40; &amp; 47/00.

## A METHOD OF PREPARING A DISCRETE DISPERSION OF DI-TERTIARY BUTYL PEROXIDE AND A POLYOLEFIN MATERIALS.

*Applicant* : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : BURTON THORNLEY MACKENZIE, JR. (2) MAURICE PROBER AND EDWARD VINCENT WILKUS.

Application No. 2262/Cal/75 filed November 26, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims. No drawing.

A method of preparing a discrete dispersion of liquid di-tertiary butyl peroxide and a polyolefin material comprising at least one ethylene containing polymeric material selected from the group consisting of polyethylene, polypropylene, and copolymers of ethylene and other copolymerizable materials as herein described, which method comprises the steps of depositing a mass of said particulate polyolefin material within an enclosure introducing said liquid di-tertiary butyl peroxide into the particulate polyolefin material below the surface of its mass, and effectively mixing the particulate polyolefin material containing the introduced di-tertiary butyl peroxide therein to disperse the peroxide over the particles and within the mass of the polyolefin.

CLASS 90F.

144632.

Int. Cl.-C03b 37/00.

METHOD AND APPARATUS FOR ELIMINATING EXTERNAL HOT GAS ATTENUATION IN THE ROTARY FIBERIZATION OF GLASS.

*Applicant*: JOHNS-MANVILLE CORPORATION, OF 22 EAST 40TH STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

*Inventors*: DUANE HAROLD FAULKNER, (2) HARVELL MORTON SMITH & LARRY EDWARD HOWARD.

Application No. 85/Cal/76 filed January 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A method of producing staple fibres of finite length and having an average diameter of less than 7 microns from molten-mineral material comprising introducing said molten material into a rotating rotor internal of a peripheral wall of the rotor, said peripheral wall containing orifices, passing said molten material through said orifices to form primary fibers having an average diameter of less than 7 microns without using hot gas blast attenuation, forming around but spaced from said peripheral wall a series of streams of moving fluid separated by a series of relatively quiescent zones, moving said fluid in said streams in a direction transverse to the direction of movement of said primary fibers, and passing said primary fibers into said quiescent zones and into contact with said streams of moving fluid, said fluid streams having a temperature and velocity sufficient to break the primary fibers into staple fibers, but insufficient to cause any significant attenuation of said fibers.

CLASS 80-B.

144633.

Int. Cl.-B01d25/00.

IMPROVEMENTS RELATING TO FILTRATION.

*Applicant*: SEA WATER SUPPLIES LIMITED, OF NORTH PARADE, THE PROMANADE, SKEGNESS, LINCOLNSHIRE, PE 25 IDB, ENGLAND.

*Inventors*: GEORGE SOPER CANSDALE, JOHN KEITH BRADLEY YEADON & ALAN GEORGE DALES.

Application No. 260/Cal/76 filed February 12, 1976.

Convention date February 18, 1975 (6717/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Filtering apparatus for use in filtering naturally available water running or standing over a bed of particulate material, said apparatus comprising a plenum chamber having an outlet for connection to the suction side of a pump and being partially defined by a perforated bottom wall at the side of which remote from the plenum chamber is an open-bottomed enclosure defined by a depending skirt, the perforations in the bottom wall of the plenum chamber being so shaped and dimensioned that, when the apparatus is in use, after re-organisation of the material in the enclosure the inlet ends of the perforations are bridged by particles of the material so as to flow particle-free water to be drawn through the perforation.

CLASS 128-G.

144634.

Int. Cl.-A61b 1/00.

A DEVICE FOR DETERMINING THE PROPERTIES OF BODILY MUCUS.

*Applicant*: OVUTIME, INC., OF 74 STANDISH CIRCLE, WELLESLEY, MA 02181, MASSACHUSETTS, UNITED STATES OF AMERICA.

*Inventors*: LOUIS KOPITO, (2) SAMUEL RANDALPH SCHUSTER, & HAROLD KOSASKY.

Application No. 388/Cal/76 filed March 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A device for determining the properties of bodily mucus comprising:

(a) a pair of separable cooperating members, each said member having a working-face defining a bearing surface of predetermined configuration such as herein described said bearing surfaces in face to face relationship define a plurality of regions adapted to contain a bodily mucus sample, the surface area of said regions being greater than the surface area of the interface between said bearing surfaces; and

(b) indicating means operatively connected to at least one of said members for providing an indication of the force required to separate said members when said regions contain a bodily mucus sample, the force required to separate said bodily mucus sample at said interface defines the property of said bodily mucus.

CLASS 32F.b.

144635.

Int. Cl.-C07d 35/00.

PROCESS FOR PREPARING NEW THIAZOLOISOQUINOLINES.

*Applicant*: CHINOIN GYOGYSZER ES VEGYESZETI TERMEKEK GYARA RT. OF 1-5, TO U., BUDAPEST IV, HUNGARY.

*Inventors*: DR. KALMAN HARSANYI, (2) KALMAN TAKACS, (3) PAL KISS, (4) DR. LASZLO SZEKERES, (5) DR. GYULA PAPP & EVA DENEDEK.

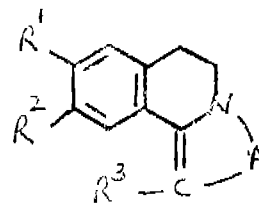
Application No. 1149/Cal/76 filed June 29, 1976.

Division of Application No. 1168/Cal/74 filed May 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A process for the preparation of a new thiazoloisoquinoline of the general formula, or a salt thereof, as shown in Figure 1.



wherein

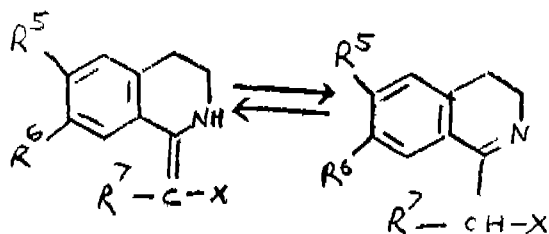
A stands for a group of the formula  $\text{—S—}\overset{\text{R}}{\underset{\text{Y}}{\text{C}}}$

R<sup>1</sup> stands for hydrogen, hydroxy, alkoxy or aralkoxy.

R<sup>2</sup> stands for hydrogen, hydroxy, alkoxy or aralkoxy.

R<sup>3</sup> stands for hydrogen, alkyl, aryl, nitro, carboxy or a carboxy derivative, and

Y stands for oxygen, sulfur, or a group of the formula  $-N-R'$  wherein  $R'$  stands for hydrogen, alkyl, aryl, alkylsulfonyl or arylsulfonyl which are inter convertible in a conventional manner, which comprises reacting an isoquinoline of the general formula or a salt thereof as shown in Figure II.



wherein

$R^5$  stands for hydrogen, hydroxy, alkoxy or aralkoxy  
 $R^6$  stands for hydrogen, hydroxy, alkoxy or aralkoxy.

$R^7$  stands for hydrogen, alkyl, aryl, carboxy or a carboxy derivative and

X stands for mercapto, with a carbonic acid compound which has no sulfur in the moiety and, if desired, the obtained thiazoloisoquinolines of the general formula (1) are converted into their salts, or the compounds of the general formula (1) are liberated from the corresponding salts in a conventional manner.

CLASS 32A.

144636.

Int. Cl.-C09b 57/00.

A PROCESS FOR THE PREPARATION OF NEW YELLOW NAPHTHOQUINO-AUINAZOLINE DIONE DISPERSE DYES FOR POLYESTER FIBRES.

*Applicant*: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

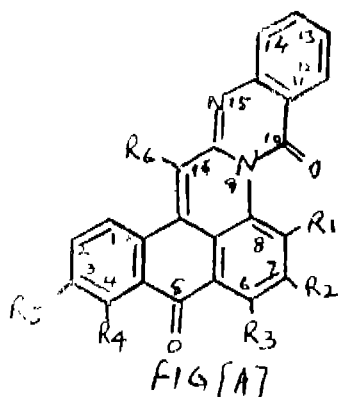
*Inventors*: NAGARAJ RAMANUJ AYYANGAR, (2) RAGHAVENDRA JEEVANRAO DESHPANDE AND DILIP RAGHUNATH WAGLE.

Application No. 1328/Cal/76 filed July 26, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

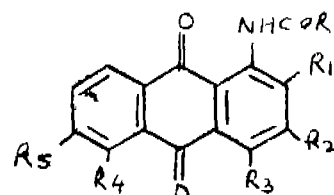
2 Claims.

A process for the preparation of yellow naphthoquinolinozoline dione disperse dyes for polyester fibres such as naphtho- [18, 2' 3' : 4, 5]-quino [2, 1 : b] -quinozoline-5, 10-dione, of the formula in Fig. A.



wherein  $R_1$  and  $R_2$  are hydrogen or methyl radicals;  $R_3$  is hydrogen methoxy, acetamido, p-toluenesulphonamido radical or p-anisidino radical;  $R_4$  is hydrogen or acetamido radical;  $R_5$  is hydrogen or chloro radical;  $R_6$  is hydrogen, methyl

or phenyl radical, wherein corresponding 1-acetamidonaphthoquinone derivative of formula of Fig. B.



[B]  $R = Me; Et; or CH_2Ph$

wherein R is methyl, ethyl or  $CH_2Ph$  radical is reacted with anthranilic acid in acetic anhydride or pyridine or propionic anhydride in presence of a condensing agent such as zinc chloride at temperature in the range of 100—140°C for 1/4-8 hrs.

CLASS 32F1 & F2b & 55E3 & E4.

144637.

Int. Cl.-C07d 99/24.

PROCESS FOR THE PRODUCTION OF 7-D-(—)  $\alpha$ -AMINO (p-HYDROXYPHENYLACETAMIDO) DESACETOXYCEPHALOSPORANIC ACIDS.

*Applicant*: BRISTOL-MYERS COMPANY, OF 345 PARK AVENUE, NEW YORK-10022, UNITED STATES OF AMERICA.

*Inventors*: DANIEL BOUZARD AND ABRAHAM WEBER.

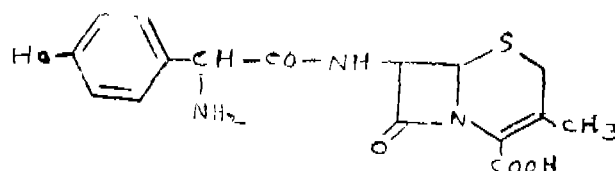
Application No. 1723/Cal/76 filed September 18, 1976.  
 Convention date June 5, 1974 (248/48/74) U.K.

Division of Application No. 1059/Cal/75 filed May 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for preparing 7-D-(—)  $\alpha$ -amino- $\alpha$ -(p-hydroxyphenylacetamido) desacetoxycephalosporanic acid of formula II.



hydrate or a pharmaceutically acceptable salt thereof, which process comprises treating in an aqueous solution 7-D-(—)  $\alpha$ -amino- $\alpha$ -(p-acetoxy-phenylacetamido) desacetoxycephalosporanic acid with an esterase such as herein described at a pH between about 5.0 and about 7.5; isolating the product by methods known *per se* and, if desired, converting by methods known *per se* the product in the form of the free acid or hydrate to the corresponding pharmaceutically acceptable salt thereof.

CLASS 32F2b & 55E4.

144638.

Int. Cl.-A61k 21/00; C07d 99/14.

AN IMPROVED PROCESS FOR PREPARING 6-AMINOPENICILLANIC ACID.

*Applicant*: INDIAN DRUGS & PHARMACEUTICALS LTD. OF N-12, SOUTH EXTENSION-1, NEW DELHI-110049, INDIA.

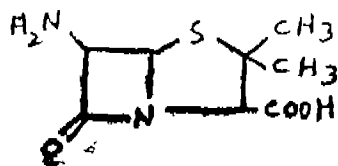
*Inventors*: PERURMADOM RAMAIAH MAHADEVAN, & CHANDRA BALLABH VIG.

Application No. 1834/Cal/76 filed October 6, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

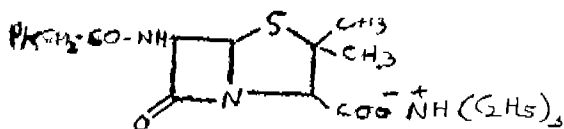
7 Claims.

Process for preparing 6-aminopenicillanic acid of formula V.

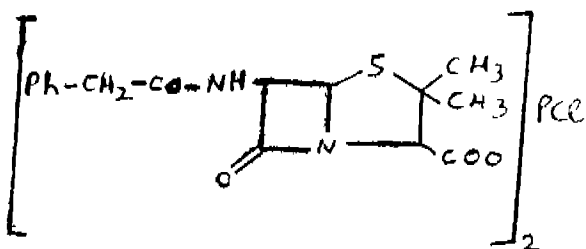


Comprising reacting :

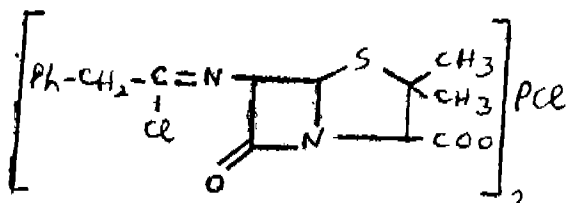
(i) triethyl ammonium salt of benzyl penicillin of formula I.



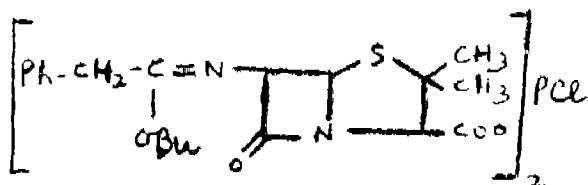
with phosphorus trichloride to obtain the reaction mixture containing mixed anhydride of formula II.



(ii) treating the said reaction mixture containing mixed anhydride with phosphorus pentachloride to obtain imide chloride of formula III.



(iii) converting the said imide chloride into imide ether of formula IV.



(iv) hydrolysing the obtained reaction mixture by conventional method; and

(v) precipitating 6-amino-penicillanic acid at its isoelectric point by conventional method.

CLASS 103.

144639.

Int. Cl.-C23g 1/04, 1/08.

IMPROVEMENTS IN OR RELATING TO ACID PICKLING OF FERROUS ITEMS.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

*Inventors* : KUMMATTITHIDAL SANTHANAM RAJAGOPALAN, RENGACHARI SRINIVASAN, CHAKRAVARTHI RAJAGOPAL, NARAYANASWAMI KRITHIVASAN, PORAIYAR SARANGAPANI MOHAN, MUTHUVEERAN SETHUKUMARI AND MELAY ERIYAT KOCHU JANAKI.

Application No. 465/Cal/75 filed March 11, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims. No drawings.

An improved process for acid pickling of ferrous items, which comprises treating the rusted and greasy ferrous items in a pickling bath which consist of hydrochloric acid and 0.05-5% (w/v) of an inhibitor, 0.05-1.0% of a wetting agent and 0.2-5.0% of a brightening agent.

CLASS 156E &amp; 181.

144640.

Int. Cl. F16j 15/34, 15/38.

AN IMPROVED MECHANICAL SEAL CONSTRUCTION.

*Applicant* : DURAMETALLIC CORPORATION, 2104 FACTORY STREET, KALAMAZOO, MICHIGAN, UNITED STATES OF AMERICA.

*Inventors* : HERBERT BENJAMIN HUMMER AND RAYMOND ERIC BATTILANA.

Application No. 1759/Cal/75 filed September 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An improved mechanical seal construction connected between a wall having an opening therethrough and a shaft extending through said opening and rotatable relative to said wall, said seal construction including : housing means fixedly associatable with said wall and encircling said shaft, said housing means having a bore therethrough so as to define an annular chamber substantially concentric with and surrounding said shaft, said bore communicating with said opening; mechanical seal means disposed within said chamber in sealing engagement with said shaft and said housing means, said mechanical seal means dividing said chamber into first and second separated compartments, said first compartment being positioned between said seal means and said wall and communicating with said opening for permitting a pressure liquid to be received therein, said second compartment being disposed on the other side of said seal means from said first compartment; said mechanical seal means including first and second annular seal members having annular seal faces disposed in sliding sealing engagement with one another for preventing flow of pressure fluid from said first compartment to said second compartment, said first and second seal members surrounding and being radially spaced from said shaft; first mounting means nonrotatably connecting said first seal member to said housing means; and

second mounting means nonrotatably connecting said second seal member to said shaft while permitting at least limited radial floating movement of said second seal member relative to said shaft for maintaining alignment between said first and second seal members irrespective of deflection of said shaft; the improvement comprising :

said first mounting means having a portion thereof positioned axially outwardly of said first seal member and extending radially inwardly toward said shaft to a point approximately coextensive with the corresponding radial extent of said first seal member, whereby said portion constitute a backing for said first seal member, and walls on said first mounting means defining a recess in said first mounting means which is concentric with said first seal member and opens axially through the wall of said first mounting means remote from said first seal member;

flange means fixed with respect to said first mounting means adjacent the open end of said recess and extending toward said shaft for partially closing said recess, said flange means comprising a separable ring removably affixed to said first mounting means, said separable ring having an inwardly directed face on the end thereof defining a sealing surface;

floating bushing means disposed within said recess for restricting the escape of pressure fluid from said second compartment to the surrounding environment in the event of flow of pressure fluid from said first compartment to said second compartment due to a failure of said mechanical seal means, said floating bushing means including an annular bushing member encircling said shaft and arranged for free radial floating movement relative to said housing means for enabling

said bushing member to radially follow said shaft, whereby said bushing member is normally spaced a clearance distance from said shaft and nonrotatable relative to said housing means, and resilient means seated on and positioned between said portion and said bushing member for urging said bushing member into sealing engagement with the sealing surface on said separable ring.

CLASS 14A.

144641.

Int. Cl.-H01m 1/06.

## A RECHARGEABLE CELL.

*Applicant & Inventor* : KISHORE CHANDRA KOTHARI, OF P. KISHORE & CO., OF 96A, CHITTARANJAN AVENUE, CALCUTTA-12, WEST BENGAL, INDIA.

Application No. 1483/Cal/76 filed August 13, 1976.

Addition to No. 2179/Cal/75.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A rechargeable cell as claimed in my copending application No. 2179/Cal/75 characterized by the improvement that two gas escape chambers are provided one within the other above the level of the electrolyte and a gas vent hole is provided at the top of the cell in flow communication with the two gas escape chambers.

CLASS 85P &amp; 141D.

144642.

Int. Cl.-B02 4/04.

## IMPROVEMENTS IN OR RELATING TO SLURRY TREATMENT APPARATUS.

*Applicant* : BABCOCK & WILCOX LIMITED, OF CLEVELAND HOUSE, ST. JAMES'S SQUARE, LONDON SW1Y 4LN. ENGLAND.

*Inventor* : EDWIN CHARLES MCKENZIE.

Application No. 196/Cal/76 filed February 3, 1976.

Convention date February 7, 1975/(5422/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A method of preparing particulate material from a slurry, in which the slurry is supplied to a grinder lying in a heating zone in which drying is effected, the slurry being discharged in the heating zone through a duct that, within the heating zone, is thermally insulated.

CLASS 32F1 &amp; F1a &amp; F1b &amp; 55E1 &amp; E1.

144643.

Int. Cl.-C07d 51/78.

## A PROCESS FOR THE PREPARATION OF QUINOXALINE DIOXIDE DERIVATIVES.

*Applicant* : EGYT GYOGYSZERVEGYESZETI GYAR, OF 30, KERESZTURI UT., BUDAPEST X, HUNGARY.

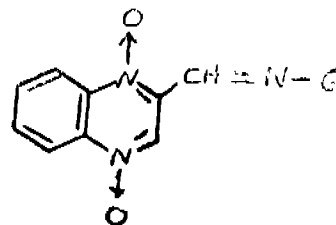
*Inventors* : DR. PAL BENKO, ILDIKO RATZ NEE SIMONEK, DR. LASZLO PALLOS, DR. KAROLY MAGYAR, DR. JENO KOVACS AND DR. ALBERT BALOGH.

Application No. 455/Cal/76 filed March 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A process for preparing a quinoxaline-dioxide derivative of the general formula I.

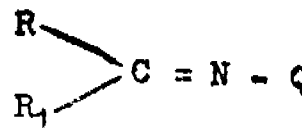


wherein Q denotes

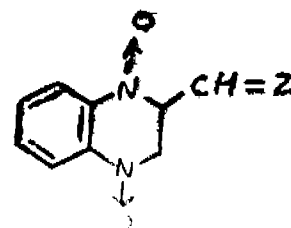
a -NH-COO-R<sub>1</sub> group, wherein R<sub>1</sub> denotes a C<sub>1-10</sub> alkyl group, or a group of the formula -NH-CX-NH, wherein X denotes an oxygen or a sulphur atom, or

a group of -NH-C(NH)-NH-R<sub>2</sub>, wherein R<sub>2</sub> denotes a hydrogen atom, an unsubstituted phenyl radical, or a phenyl radical substituted with an alkyl or nitro group or with a halogen atom, or

a group of the formula -NH-R<sub>3</sub>, wherein R<sub>3</sub> denotes a C<sub>1-10</sub> alkyl, a phenyl, a benzyl or a C<sub>1-10</sub> hydroxyalkyl radical, or a -NH-CO-R<sub>4</sub> group, wherein R<sub>4</sub> denotes a C<sub>1-10</sub> alkyl, an unsubstituted phenyl group, a phenyl group substituted with not more than three identical or different hydroxy, amino, nitro, C<sub>1-3</sub> alkoxy groups, or chlorine or bromine atoms, a substituted naphthyl group, an aralkyl group carrying in its alkyl chain not more than 3 C-atoms, a pyridyl, a piperidyl, a pyrazinyl, a furyl, a nitrofuryl or an α, α, α-diphenyl-hydroxymethyl group, or an -O-R<sub>5</sub> group wherein R<sub>5</sub> denotes a hydrogen atom or a C<sub>1-10</sub> alkyl group, characterized in that an azomethine derivative of the general formula II.



wherein Q has the same meaning as above, R denotes an alkyl or a phenyl group, or a phenyl, pyridyl or furyl group substituted with a halogen atom or with a nitro, methyl or hydroxy group, and R<sub>1</sub> denotes a hydrogen atom or an alkyl group, and R and R<sub>1</sub> may denote, together with the carbon atom to which they are bound, also a C<sub>5-7</sub> cycloalkylidene or a 1, 5-diaza-cyclopentylidene-2 group, is reacted under acidic conditions with an aldehyde or its derivative of the general formula III.



wherein Z denotes an oxygen atom or an (O-C<sub>1-10</sub> alkyl)-group.

CLASS 32E.

144644.

Int. Cl.-C08g 5/06.

## PROCESS FOR THE MANUFACTURE OF PHENOL-FORMALDEHYDE RESINS.

*Applicant* : SAINT-GOBAIN INDUSTRIES, OF 62 BOULEVARD VICTOR-HUGO, NEUILLY-SUR-SEINE, FRANCE.

*Inventors* : DANIEL HANTON AND JEAN DAVROU.

Application No. 628/Cal/76 filed April 13, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

A process for the manufacture of phenolic resins for the production of foams from a mixture of phenol and formaldehyde by condensation in at least two successive stages in the presence of an alkaline catalyst, wherein after cooling of the reaction mixture at the end of the last stage of the condensation, a quantity of acid sufficient to lower the pH to resin phase is separated from the aqueous medium.

CLASS 32A,

144645.

Int. Cl.-C09b 45/18.

# PROCESS FOR THE PREPARATION OF WATER-SOLUBLE COPPER COMPLEX COMPOUNDS.

*Applicant* : HOECHST AKTIENGESellschaft, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

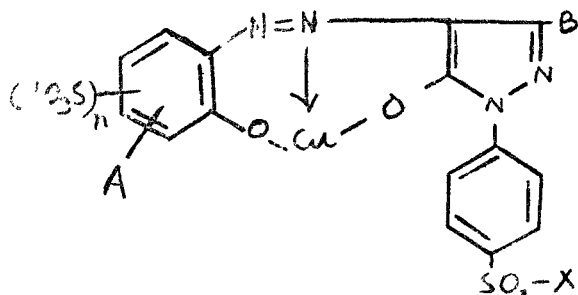
*Inventors* : ERNST HOYER, LUDWIG SCHLAFFER.

Application No. 1319/Cal/76 filed July 23, 1976.

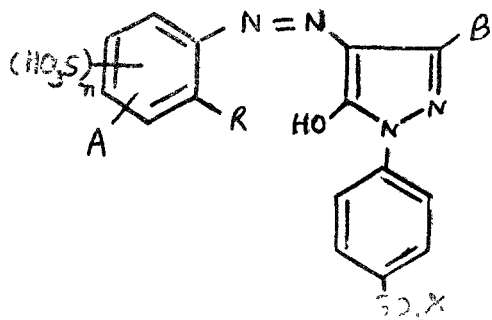
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the preparation of a water-soluble copper complex compound which has, in the form of the free acid, the general formula (I).



in which A is hydrogen, a chlorine atom or an acylamino group of a lower aliphatic or of an aromatic carboxylic acid B stands for the methyl group, the carboxy group or carbalkoxy group having from 2 to 5 carbon atoms. X represents vinyl or  $\beta$ -sulfatoethyl and  $n$  is 1 or 2, which comprises reacting a compound of the general formula (4).



in which A, B, X and  $n$  are defined as above, and R is a hydrogen atom or the hydroxy group, with copper-yielding agents such as herein described optionally in the presence of an oxidizing agent.

CLASS 150C.

144646

Int. Cl.-F161 33/22.

# CONNECTION APPARATUS FOR USE IN FLUID SUPPLY LINES.

*Applicant* : FESTO-MASCHINENFABRIK GOTTLIEB STOLL, OF ULMER STRASSE 48, ESSLINGEN A. N., GERMANY.

*Inventor* : KURT STOLL.

Application No. 1727/Cal/76 filed September 18, 1976.

2—87GI/78

Convention date June 28, 1976/(26763/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

Connection apparatus for slip-in connection in a supply line of a hose which is formed of a resilient material and which carries gaseous or fluid media, said apparatus comprising a first unit adapted for use as a second connection, a second unit which is adapted to slip into said first unit and into which second unit an end of the hose can be inserted, and means for locking the hose end in its inserted position, said locking means comprising a locking ring which is displaceable in both directions along an outer circumference of the second unit between an ineffective position adjacent to the first unit, and an effective position associated with a free end of the second unit, wherein the locking ring moves locking members to a clamping position and retains the locking members in this position in which they hold the hose end in its inserted position, means being provided to normally prevent displacement of the locking ring from the second unit but allow removal of the locking ring by hand.

CLASS 63-I.

144647.

Int. Cl.-H02k 9/00.

# APPARATUS FOR COLLECTING PYROLYSATES FROM A GAS-COOLED DYNAMOELECTRIC MACHINE.

*Applicant* : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

*Inventors* : STERLING CHENEY BARTON, CHESTER CARROLL CARSON AND ALLEN DANIEL ALBERT.

Application No. 1947/Cal/76 filed October 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An apparatus for collecting thermal decomposition products given off into a dynamoelectric machine gas coolant comprising:

a gas inlet and a gas outlet interconnected by a conduit having a collector disposed therein; said conduit having an inlet solenoid valve upstream from said collector and an outlet solenoid valve down-stream from said collector;

an inlet purge line interconnecting the upstream side of the inlet valve with the downstream side of the outlet valve; said line having a purge solenoid valve therein;

a collector purge inlet line connected on the downstream side of said inlet valve; and

a bypass line having an inlet end connected to the upstream side of said outlet valve and an outlet end connected to the gas outlet, and means for sequentially operating said inlet, outlet and purge solenoid valves, said operating means comprising;

an electrical circuit including first and second time delay switches; said first switch being normally closed connected to said line having a purge solenoid valve therein;

a timer included in said electrical circuit for actuating said inlet solenoid valve and said outlet solenoid valve, said timer connected to said second switch being normally open whereby energization of said electrical circuit causes the purge solenoid valve to open immediately and then close after a time delay whereas the normally closed inlet solenoid valve are opened after the time delay for a time period set in the timer.

CLASS 18-B

144648

Int. Cl.-B01f 3/08, 17/00

# A PROCESS FOR THE PREPARATION OF AN EMULSIFIER FOR USE WITH AN OIL BASED DRILLING MUD

*Applicant* : OIL AND NATURAL GAS COMMISSION INSTITUTE OF PETROLEUM EXPLORATION, KAULAGARH ROAD DEHRA DUN INDIA.

*Inventors* : SHRI SURENDRA MANI SHARMA SHRI VANDAN KRISHAN GIRDHAR AND DR. PAIENDRA PRASAD MATA PRASAD MATHUR.

Application No. 77/Del/76 filed December 29, 1976.	(2)
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.	132163 132799 133450 135055 135569 135571
6 Claims. No drawing.	(3)
A process for the preparation of an emulsifier for use with an oil based drilling mud and which comprises in heating a solution of bitumen to a first temperature preferably not exceeding 120°C, said bitumen being of 80/100 grade, adding concentrated sulphuric acid to said heated solution and such that said first temperature is maintained during the reaction, cooling the reaction product to room temperature, and thereafter adding quicklime to said reaction product.	133643.
CLASS 107G.	(4)
Int. Cl.-F02b 39/16.	134318
AN AUTOMATIC AIR BLEEDING VALVE FOR FUEL PIPE LINE OF AN INTERNAL COMBUSTION ENGINE.	(5)
Applicant : KIRLOSKAR OIL ENGINES LIMITED, 13 LAXMANRAO KIRLOSKAR ROAD, PUNE 411003, MAHARASHTRA, INDIA.	117439 132763 133238
Inventor : SURENDRA BALKRISHNA CHANDORKAR.	(6)
Application No. 397/Bom/76 filed November 12, 1976.	122683 132096 134979
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.	(7)
2 Claims.	134017 135103
An automatic air bleeding valve for fuel pipe line of an internal combustion engine to be located at the junction of the inlet pipe to the fuel pump, the said valve comprising a tubular adapter body screwed into the fuel injection pump and provided with a disc seated on a passage to the injection pump, a banjo bolt closing the open end of the adaptor body and having a length which leaves a space above said disc, the banjo bolt also providing a pipe connection to the fuel tank, the pipe connection to the fuel tank, the pipe connection rendered air-tight by means of one or more washers, the air entrapped in the fuel system between the fuel tank and the fuel injection pump lifting the disc enabling the fuel with entrapped air to escape to the fuel tank through the pipe connection provided in the banjo bolt, the air returning to the fuel tank escaping through the vents in the fuel tank cap.	(8)
OPPOSITION PROCEEDINGS	121532 132327 133162 133251 133669
An opposition has been entered by Orissa Cement Ltd., against the grant of a Patent on application No. 143331 made by Council of Scientific and Industrial Research.	(9)
PRINTED SPECIFICATION PUBLISHED	131392 133134 134244
A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—	(10)
(1)	135060 135659 135660 135671 135683
131811 133427 133545 133615.	(11)
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	128087 132258 134489 135167 135696
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	128091 133328
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	134461
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	(17)
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	PATENTS SEALED
	138585 140255 140283 140519 140541 140999 141047 141392
	141407 141411 141465 141546 141878 141953 141980 141984
	142080 142100 142268 142282 142283 142291 142310 142328
	142334 142342 142345 142346 142386 142387 142389 142391
	142650 142695 142706 142758 142763 142769 142776 142794
	142795 142808 142812 142817 142822 142825 142826 142831
	142862

## LIST NO 1

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calendar year 1976 generally on account of want of requests for Licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

S. No.	Patent no.	Date of Patent	Name and address of the Patentee	Brief title of the invention
1	2	3	4	5
1	97903	12-02-1965	Bunker Ramo Corpn; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Sexless connectors for joining a pair of members.
2	109521	03-03-1966	Electric Construction (W' Ton) Ltd., Bushbury Engg. Works, Wolverhampton, Staffordshire, England.	Electrical generators.
3	111402	06-07-1967	Bunker Ramo Corpn; Oakbrook North, Oak Brook, Illinois, U. S. A.	Contact retention device for an electrical connector.

1	2	3	4	5
4	115761	06-05-1968	Weston Instruments Inc; 614 Frelinghysen Avenue, New York, New Jersey, U. S. A.	Analog to digital convertor.
5	122175	08-07-1969	Mitsubishi Denki Kabushiki Kaisha, No. 12, Marunouchi, 2-chome, Chiyoda-KU, Tokyo, Japan.	System for controlling D-C Powers.
6	122619	04-08-1969	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Precision Potentiometer.
7	122770	16-08-1969	-do-	Miniature connector.
8	122798	18-08-1969	Mitsubishi Denki Kabushiki Kaisha, No. 12, Marunouchi 2-chome, Chiyoda-KU, Tokyo, Japan.	System for controlling D. C. Power.
9	123324	27-09-1969	Owens-Illinois Inc; 405 Madison Avenue, Toledo, Ohio-43601, U. S. A.	Gas discharge display panel.
10	123350	29-09-1969	-do-	Circuits for suppressing spurious pulsing of discharge units in a gas discharge panel.
11	123469	07-10-1969	Owens-Illinois Inc; 405 Madison Avenue Toledo, Ohio 43601, U. S. A.	Gas discharge display memory device.
12	124965	22-01-1970	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Electrical Connector and wire seal therefor.
13	125052	29-01-1970	Mitsubishi Denki; K. K. No. 12, Marunouchi 2-chome, Chiyoda-KU, Tokyo, Japan.	Control system for electrical vehicles.
14	125314	16-02-1970	R. R. Pardasani, Bhatia Bldg., 87-Ranade Road, Dadar, Bombay-28.	Key controlled device for operating electrical circuits.
15	125534	02-03-1970	Chloride Legg Ltd; Mairdale street, Wolverhampton, Staffordshire, England.	Automatic electric battery charging apparatus.
16	125555	03-03-1970	Siemens AG; Berlin & Munich, West Germany.	Component assemblies for electric communications or measuring unit.
17	125699	29-04-1970	Indersen Tolaram Mirchandani, Mount Eminence, Off No. Canadia Road, Bombay-26, India.	Electric bulb circuit for use in intermittent service and electric switch means for use in such circuit.
18	125704	11-01-1971	B. Singh; C/o. Beni Ltd; 1 Crooked Lane, Calcutta-1.	Carbon brush used in electrical machines.
19	126038	02-04-1970	Bunker Ramo Corp; Oakbrook-North, Oak Brook, Illinois, U. S. A.	Apparatus for continuously fabricating electrical contact members and electrical contact members manufactured thereby.
20	126412	28-04-1970	Owens-Illinois Inc; 405, Madison Avenue, Toledo.	Integrated driving circuitry for gas discharge panel.
21	126416	28-04-1970	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Rigid electrical connector.
22	126696	16-05-1970	Electric Power Storage Ltd; Clifton Junction, Swinton, Manchester, Lancashire, England.	Multi-cell electric storage batteries of lead acid type.
23	126814	26-05-1970	ICI Ltd; Imperial chemical House, Millbank, London S. W. 1, England.	Anode assembly for electrolytic cell.
24	126815	26-05-1970	-do-	-do-
25	126852	07-08-1970	Gould Inc; E-1200 First National Bank Bldg, St. Paul, Minnesota, U. S. A.	Making electrical connections through a storage battery wall.
26	126943	04-06-1970	Union Carbide Corp; 270 Park Avenue, New York, N. Y. 10017, U. S. A.	Leclanche dry cell with thick wall paste separator.
27	127032	11-06-1970	C. A. V. Ltd; Well street, Birmingham, 19, England.	Electric circuit for increasing initial rate or rise of current in an inductor in the circuit.
28	127083	15-06-1970	Mitsubishi Denki K. K. No. 12, Marunouchi, 2-Chiyoda-KU-Tokyo, Japan.	System for braking electric motor vehicles.
29	127133	17-06-1970	L. Isostate S. A.; 67, rue Marie, Anne, Colonibier, 93 Bagnolet (Seine) France.	A multiple switch assembly.
30	27134	17-06-1970	-do-	An electric switching arrangement.
31	127135	17-06-1970	-do-	Electric switch.
32	127212	27-07-1970	Ted Bildplatten AG; CH 6301, Zug/Schweiz, Hanibuhl 8, Postfach 126, Switzerland.	A record carrier for storing recorded signals.
33	127214	27-07-1970	-do-	Pressure pick-up for reproducing deformation of recording carrier relatively when moved in its direction.
34	127215	27-07-1970	-do-	Mechanism for driving of a play-back system.
35	127230	23-06-1970	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Miniature connector construction.

1	2	3	4	5
36	127358	01-07-1970	Associated Electrical Industries Ltd; 1, Stanhope Gate, London W. I, England.	Protective relays.
37	127416	06-07-1970	ICI Ltd; Imperial Chemical House, Millbank, London S. W. 1, England.	Baseplate assembly for mercury cathode cell.
38	127421	05-02-1973	Maschinenfabrik Reinhausen Gebrüder Scheuback KG; 8, Falkensteinstrasse, 84, Regensburg, F. R. G.	A transformer housing.
39	127450	08-07-1970	RCA Corp; 30 Rockjeller Plaza, New York, New York-10020, U. S. A.	Making duplicates of optical or sound recordings.
40	127473	12-07-1973	The Lucas Electrical Co Ltd.; Well street, Birmingham, 19, England.	Combined electrical switch and lock assembly.
41	127546	15-07-1970	Siemens AG; Berlin & Munich, West Germany.	Arrangements for measuring current in high tension conductor.
42	127670	23-07-1970	Tsentralny Nauchno issledovatel'sky, Institute, Shartkapodoshipnikovskaya Ulitsa, Moscow, U.S.S R.	Coated electrode for electric arc welding of steel of various structures.
43	127701	24-07-1970	British Insulated Callender's Cables Ltd; 21, Bloomsbury street, London W. C. I, England.	Electric conductors and their manufacture.
44	127739	27-07-1970	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Receptacle for flat circuit bearing elements.
45	127769	28-07-1970	Joseph Lucas (Industries) Ltd; Great Kings street, Birmingham, England.	Electrical switches.
46	127870	04-08-1970	Siemens AG; Berlin & Munich, West Germany.	Method of manufacturing electrical device, the step of connecting a first and second part and connecting member therefor.
47	127958	10-08-1970	Siemens AG; Berlin & Munich, West Germany.	An installation comprising an asynchronous electrical machine.
48	127960	10-08-1970	Gould Inc; E-1200, First National Bank Bldg., St. Paul, Minnesota, U. S. A.	Means for casting battery plates.
49	128258	01-09-1970	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	An adjustable electrical impedance device.
50	128312	07-09-1970	Owens-Illinois Inc; 405-Madison Avenue, Toledo, Ohio 43601, U. S. A.	Gas discharge panel.
51	128427	14-09-1970	VDO Tachometer etc; 6 Frankfurt am Main 90, Post-Jack. 90, 1020 F.R.G.	Magnetic arrangement to constitute a rotor for eddy current tachometer.
52	128584	24-09-1970	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Electrical connector having adjustable keying.
53	128591	25-09-1970	Siemens AG; Berlin & Munich, West Germany.	Spark gap assembly for surge arrester.
54	128669	30-09-1970	Chloride Batteries Australia Ltd; 55 Bryant street, Padstow, New South Wales, 2211, Commonwealth of Australia	An intercell connector arrangement for multicell batteries
55	128683	03-10-1970	Gould Inc; E-1200, First National Bank Bldg., POB-3140, St. Paul Minnesota-U. S. A.	Casting battery plate connection lugs onto a connecting strap and the articles so produced.
56	128805	13-01-1970	General Electric Co; 1 River Road, Schenectady New York U. S. A.	An electric cable encased with a thermo-setting insulation Composition.
57	128945	22-12-1970	British Insulated Callender's Cables Ltd; 21 Bloomsbury street, London W. C. I, England.	Electric cables.
58	128947	22-10-1970	-do-	-do-
59	129023	27-10-1970	Siemens AG; Berlin & Munich West Germany.	Dividing networks.
60	129042	28-10-1970	Societe National Elf Aquitaine (Production), Tour Aquitaine, 92 Courbevoie, France.	Device for measuring the amplitude of a seismic signal.
61	129088	02-11-1970	Ekaterina Ivonovna Karetnikova, Ulitsa Gerasimovskaya 36 KVB, Moscow.	Induction apparatus such as power transformer.
62	129358	23-11-1970	Siemens AG; Berlin and Munich, West Germany.	Carrier frequency system.
63	129392	25-11-1970	Bunker Ramo Corp; Oakbrook North, Oak-brook, Illinois, U. S. A.	Electrical connector having improved contact retention system.
64	129400	26-11-1970	British Insulated Callender's Cables Ltd; 21 Bloomsbury street, London W. C. I, England.	Processing of wires.
65	129428	28-11-1970	Telefonaktiebolaget LM Ericsson, Stockholm 32, Sweden.	Electric thread shaped conductors.
66	129519	07-12-1970	The English Electric Co. Ltd., Bush House, Aldwych, London, WC 2B 4 QJ, England.	Relay power supply.

1	2	3	4	5
67	129560	10-12-1970	British Insulated Callender's Cables Ltd; 21 Bloomsbury street, London, W. C. 1, England.	Manufacture of insulated electric cables.
68	129600	15-12-1970	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U. S. A.	Fluorescent lamps.
69	129644	17-12-1970	Kawasaki steel Corp; No. 1, 1-Chome, Kitahouchi-Dari, Fakiac-KU, Kobe city, Japan.	Forming electric insulating coating on the surface of silicon steel sheet.
70	129670	21-12-1970	Joseph Lucas (Industries) Ltd; Great Kings street, Birmingham, England.	Electrical system for road vehicles.
71	129723	24-12-1970	RCA Corp; 30 Rockjeller Plazo, New York, N. Y. 10020, U. S. A.	A monopulse multimode feed system.
72	129817	01-01-1970	Meer Danilovich & Others; Ulitsa Komarova, 6, KV, 23, Moscow, U. S. S. R.	Storage cell with dissoluble negative zinc electrodes.
73	129851	06-01-1971	Mcfina S.A. Route de Beaumont 5, Fribourg, Switzerland.	Push button switches.
74	129878	08-01-1971	Union Carbide Corp; 270 Park Avenue, New York, N. Y. 10017, U. S. A.	Constant potential AC consumable electrode welding.
75	129879	08-01-1971	Union Carbide Corp; 270 Wark Aveuc, New York, N. Y. 10017, U. S. A.	Apparatus for stabilizing an electric arc.
76	129882	08-01-1971	Siemens AG; Berlin & Munich West Germany.	A printed circuit board having plurality of control channels on one side thereof.
77	130013	20-01-1971	Nauchno-Issledovatel'sky etc; sarato, 15 U. S. S. R.	Manufacturing electrode groups of alkaline accumulators.
78	130069	27-01-1971	Siemens AG; Berlin & Munich, Germany.	Apparatus for diffusing doping substances into semiconductor materials.
79	130070	27-01-1971	Seimens AG; Berlin and Munich, West Germany.	Manufacture of hollow bodies of semiconductor material.
80	130071	27-01-1971	-do-	Production of hollow bodies semiconductor materials.
81	130090	28-01-1971	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U. S. A.	Fluorescent lamps.
82	130111	29-01-1971	Gosudarstvenny Nauchno Issledovatesky Energeticheskyy Institute, Imeni G. M. Krehizhonskogo, Leningrad, Prospect, 9-Moscow.	Induction transducer of the excitation current of synchronous generator.
83	130116	30-01-1971	The Bendix Corp; 401 North Bendix drive, South Bend, Indiana, U. S. A.	Electrical apparatus for storing the +ve and -ve extremes of analog input signals.
84	130218	09-02-1971	Siemens AG; Berlin and Munich, West Germany.	Terminal seals for insulated cables or conductors.
85	130283	16-02-1971	Siemens AG; Berlin & Munich West Germany.	Pulse generator circuits for pulse code modulation system.
86	130285	16-02-1971	-do-	Signal channel combination system and a polarisation diversity receiver system employing the same.
87	130298	17-02-1971	USS Engineers & Consultants Inc; 525 William Penn Place, Pittsburgh, Pennsylvania, U. S. A.	Contact assembly in a rotary type plating apparatus.
88	130302	17-02-1971	(1) Anatoly A Akulov of Schipovsky Peraulok 13/15, KV. 32 Moscow. (2) Iraida A Vorobieva; of simferapolsky bulvar 16 Karpus, 5 KV. 32 (3) Anna Isacvna Vustina, BolatnikovaskayQ, Ulitsa, 11 Kapus, 13, KV-47. (4) Boris Ivanavich Kuzhotsov; Ulitsa Chernyshevskogo, 33/22, KV 39, (5) Vladimir Isaakovich Rodin, Profsojuzhaya Ulitsa 48, Karpusz, KV-31. (6) Isaak Lucvich Frid; Sinferoptsky Bulvar, 16 Karpus 4, KV 35-11 of Moscow, USSR.	Alternating current electric machine.
89	130353	24-02-1971	Bunker Ramo Corp; Oakbrook-North, Oakbrook, Illinois, U. S. A.	Electrical connector having laminated contact elements.
90	130364	25-02-1971	Westinghouse Air Brake Co; Pittsburgh, Pennsylvania, U. S. A.	Automatic electric line coupler with removable contact unit in railway car.
91	130531	11-03-1971	Nina Y. Surovtseva and Others; Morkovskaya ablast, Butavo, Ulitsa, Svernyay a 5 KV, 48, U. S. S. R.	Apparatus for the automatic impedance matching of the aerial of the feeder of a radio transmitter-receiver set.

1	2	3	4	5
92	130621	18-03-1971	Electric Power Storage Limited, Cliften Junction, Swinton Manchester, Lancashire, England.	Making positive electrodes for lead acid batteries.
93	130632	19-03-1971	The Bendix Corp; Bendix Centre, Southfield, Michigan 48075, U. S. A.	Automatic beat frequency oscillator switch for airborne automatic direction finder.
94	130681	23-03-1971	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U. S. A.	Centrifugal fan.
95	130727	22-01-1972	Nippon Hoso Kyokai of 21, 2-chome, Jinnan, Shibuya-KV, Tokyo and Tokyo Shibaura Electric Co; Ltd. 72 Horikawa-cho, Saiwai-KU, Kawasaki-shi, Japan.	Metal vapour discharge lamp.
96	130823	02-04-1971	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U. S. A.	Lighting Units.
97	130988	14-04-1971	Globe-Union Inc; 5757 N. Green Bay Avenue, Milwaukee, Wisconsin, 53201, U. S. A.	Storage batteries & method for making same.
98	131026	19-04-1971	RCA Corp; 30 Rockjeller Plaza, New York, N. Y. 10020, U. S. A.	A TM mode exciter and a multimode exciter system using same.
99	131029	19-04-1971	Joseph Lucas (Industries) Ltd; Great Kings Street, Birmingham, England.	Lamp failure warning system for road vehicle.
100	131160	28-04-1971	Bunker Ramo Corp; Oakbrook North, Oakbrook, Illinois, U. S. A.	Trimming resistance circuit.
101	131212	03-05-1971	Viktor Petrovich Zinkovsky and Others, Novosibirsk, Ulitsa, Zerge 123 KV 48 USSR.	Device for holding and longitudinal displacing of electrode for an electric-furnace.
102	131289	07-05-1971	Texaco Development Corp; 135 East 42nd street, New York, N. Y. 10017, U. S. A.	Electrical indicator for Pneumatic controls, system.
103	131290	07-05-1971	Ustav Pro Vyzkum Rud; Praha 4, Moulrankska 23, Czechoslovakia.	High intensity multizone magnetic separator.
104	131328	12-05-1971	ICI Ltd; Imperial Chemical House, Millbank, London, S. W. England.	Bipolar unit for electrolytic cell.
105	131647	08-06-1971	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Nonexplosive electrically initiated heat ignitable actuator.
106	131698	14-06-1971	Matsuhita Electric industries Co. Limited, 1006 Oazo Kadoma Kadom-shi, Osaka, Japan.	Dry cells.
107	131768	17-06-1971	Institute Electrosvariki Imen E. O. Palona Akademii, nauk Ukrainskoi SSRm Kiev Ulitsa, Oarkogo 69, U. S. S. R.	Electrode material for electric arc welding.
108	131788	18-06-1971	Vsesojuzny Nauchno Issledovatel'sky I Proektny Institut AL, Unievoi, Leningrad Sredny, Prespeck 82, U. S. S. R.	Cathode casing of electrolyser for producing aluminium.
109	131794	18-04-1972	Sarabhai Electronics Research Centre, 5B-16, Naroda Industrial Estate, Norada, Ahmedabad.	A receiver capable of receiving monochrome video signals & plurality of audio signals.
110	131839	22-06-1971	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, USA.	Electrical connector contact.
111	131944	29-01-1972	S. V. Padmanabhan & Others; Research Design and Standards Organisation (Ministry of Railway), Alambaug, Lucknow-5. India.	An electronic high speed and fail safe latched relay.
112	132015	07-07-1971	Energy Sciences Inc; 111 Terrace Hall Avenue, Burlington, Massachusetts 01803, U. S. A.	Electron producing apparatus.
113	132407	09-07-1971	Girling Ltd; Kings Road, Tyseley, Birmingham, 11, Warwickshire, England.	Servo motors for vehicle brakes.
114	132241	20-07-1971	Dr. Beck & Co; AG; Eiselsweg, 2, Hamburg 28, F. R. G.	Insulating electric conductors with heat resistant resins.
115	132272	27-07-1971	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, USA.	Electrical contact and conductor and method of making.
116	132277	25-07-1971	Union Carbide Corp; 270 Park Avenue, New York, New York 10017, U. S. A.	Primary dry cell.
117	132279	28-07-1971	Girling Ltd; Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Servo motors.
118	132321	02-08-1971	RCA Corp; 30 Rockjeller Plaza, New York, New York 10020, U.S.A.	Semi conductor device.

1	2	3	4	5
119	132356	03-08-1971	Siemens AG; Berlin & Munich, West Germany.	Phase modulators.
120	132357	03-08-1971	-do-	Digital filters.
121	132391	05-08-1971	-do-	An electrical machine arrangement for providing constant excitation current for a brushless variable speed synchronous machine.
122	132455	10-08-1971	-do-	Duplex information transmission system.
123	132468	11-08-1971	-do-	Diffusion of doping materials into wafers of semiconductor materials.
124	132547	17-08-1971	RCA Corp; 30 Rockjeller Plaza, New York, New York-10020, U. S. A.	Process of making semiconductor device.
125	132568	18-08-1971	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Apparatus for making magnetic switches.
126	132626	23-08-1971	Mark Germanovich koblents & Others, Kharkor, Ulitsa, Donilvskogo, 20, KV, 92, U. S. S. R.	Reed Switch.
127	132663	03-07-1972	Beni Ltd; 1 Crooked Lane Calcutta, India.	Cut in relay for use in train lighting systems.
128	132733	01-09-1971	R. C. A. Corp; 30 Rockjeller Plaza, New York, New York-10020, U. S. A.	Making transistors including base sheet resistivity determining step.
129	132824	07-09-1971	GAF Corp; 140 west 51st Street, New York, N. Y., U. S. A.	An audio-visual device having means for automatically resetting a tone arm.
130	132856	09-09-1971	Vsesojuzny Nauchno etc; Saransk, U. S. S. R.	Automatic apparatus for sealing and evacuation of electrovacuum devices.
131	132924	16-11-1972	R. R. PARDASANI, Bhatia Bldg., 87 Ranade Road, Bombay-28, India.	Intercommunication set or apparatus.
132	133028	23-09-1971	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, USA.	Closure for connector box.
133	133135	06-10-1971	Allmanno Svenska Elektriska Akt; Vasteras, Sweden.	Switch disconnecter.
134	133140	06-10-1971	Konstantin Nikolesvich & Others, Navosibirsk, Ulitsa Sibiryakov, KV 11, U. S. S. R.	Squirrel cage of induction motors.
135	133157	07-12-1972	R. R. Pardasani, Bhatia Bldg; 87 Ranade Road, Dadar Bombay-28, India.	Fuse controlled device for operating electrical circuit.
136	133173	08-10-1971	Westinghouse Brake and Signal Co. Ltd; 82 York Way King's Cross, London N 1, 9AJ England.	Static relaying circuit.
137	133244	15-10-1971	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, USA.	Timmer Potentiometer.
138	133275	19-10-1971	Bunker Ramo Corporation.	Cable Junction box.
139	133282	20-10-1971	Jospeh Lucas (Industries) Ltd; Great Kings Street, Birmingham, England.	Lamp failure warning system.
140	133350	25-10-1971	Siemens AG; Berlin and Munich, West Germany.	An electrical switch.
141	133351	25-10-1971	Matsushita Electric Industrial Co. Limited, 1006, Oaza Kadoma, Kadoma-shi, Osaka, Japan.	Variable condensor.
142	133365	26-10-1971	Siemens AG; Berlin and Munich, West Germany.	Deposition of crystalline semiconductor.
143	133419	30-04-1970	Bunker Ramo Corp; Oakbrook North, Oak-Brook, Illinois, U. S. A.	Electrical connectors.
144	133458	08-11-1971	British Insulated Callender's Cables Limited, 21 Bloomsbury street, London, W. C. 1, England.	Section Insulator for use in overhead conductors of electric traction system.
145	133477	04-11-1971	Girling Ltd; Kings Road, Tyseley, Birmingham, 11, Warwickshire, England.	Servo motor or boosters for vehicle brake system.
146	133541	09-11-1971	R. C. A. Corp; 30 Rockjeller Plaza, New York, N. Y. 10020, U. S. A.	A semiconductor device and method for making the same.
147	133609	15-11-1971	Allmanno Svenska Elektriska Akt; Vasteras, Sweden.	Disconnectible electric contact device.
148	133739	25-11-1971	Mikhail Anatolievich Trzhetsyale and others Lenin-grad, Poliustrovsky, Prospect, 23 KV 98, USSR.	Apparatus for laying electrolytic coatings.
149	133740	25-11-1971	Fairchild Camera Instrument Corp; 464, Ellis street, Mountain View, California, U. S. A.	Fabricating integrated circuits with oxidised isolation.
150	133785	29-11-1971	Siemens AG; Berlin and Munich, West Germany.	V. H. F. heterodyne circuits.
151	133787	29-11-1971	Siemens AG; Berlin & Munich West Germany.	Electromechanical filters.
152	133798	30-11-1971	ICI Ltd; Imperial Chemical House, Millbank, London S. W. 1, England.	Insulated conductor.
153	133853	06-12-1971	Union Carbide Corp; 370 Park Avenue, New York, N. Y. 10017, U. S. A.	Apparatus for separating magnetic particles within an ore.
154	133910	10-12-1971	Clayton Dewandre Co. Ltd; Titanic Works, Lincoln, England.	Low pressure switches.
155	133915	10-12-1971	B. Singh C/o. Beni Ltd; crooked lane, Calcutta-1 Bengal, India.	Carbon brush used in electrical machines.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC  
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

96455—Ida Franzetti and Giuseppe Gillono.

107324—Fedders Corporation

127601—Janssen Pharmaceutica naamloze vennootschap.

## RENEWAL FEES PAID

87486 93573 93601 93614 93673 93698 93749 99312 99348  
99517 99804 99829 99830 100347 104650 104972 105026  
105112 105113 105216 105217 105218 105289 105338 110657  
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141813 141896 141915 141937 141940 141943 141976 141981  
141986 142009 142013 142053 142055 142072 142073 142076  
142132 142143 142178 142181 142216 142263 142278 142649  
142805 143274

## CESSATION OF PATENTS

109100 109120 109132 109232 109243 109293 109305 109309  
109312 109335 109341 109351 109372 109378 109388 109413  
109429 109450 109452 109498 109536 109537 109551 109562  
109575 109586 109610 109652 109711 109713 109726 122691  
139954 140445 141084 141527

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 96384 dated the 5th November, 1964 made by Jagannath Nathalal Parekh on the 1st August, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 15th October, 1977 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 96385 dated the 5th November, 1964 made by Jagannath Nathalal Parekh on the 1st August, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 15th October, 1977 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 108294 dated the 5th December, 1966 made by Sushil Chandra Srivastava on the 16th July, 1977 and notified in the Gazette of India, Part III, Section 2 dated the 22nd October, 1977 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 145537. Anand Ganpat Balwally, Indian, C/4, Yojana Co-op. Housing Society Ltd., Natwarnagar Road No. 1, Near Ismail College, Jogeshwari East, Bombay-400 060 (Maharashtra) India. "Tray". May 19, 1977.

Class 1. No. 145596. Navin Engineering Co., Virani Behra Munga, Shala Building, Shop No. 4, Dhebar Road, Rajkot-360002, Gujarat, an Indian Partnership Concern. "Flushing device", May 18, 1977.

Class 1. No. 145655. Capseal, of 4/1, Tower Road, Surat, Gujarat State. A sole proprietary Concern. "Cap seals for bottles". June 6, 1977.

Class 1. No. 145659 & 145660. Rehman Industries (India), 2848-Bulbuli Khana, Bazar Sita Ram, Delhi, an Indian sole proprietary concern. "Sharpener", June 10, 1977.

Class 1. No. 145661. Meera Metal Industries, Mahavir Metal Industries Compound, 2nd Floor, opposite R. K. Studio, Sion Trombay Road, Bombay-400 071, Maharashtra, India. "Cooking vessel". June 10, 1977.

Class 1. Nos. 145662 & 145663. Eternal Radio Corporation, A 1 Nariana Industrial Area Phase 1, New Delhi, an Indian Partnership Concern. "Radio". June 13, 1977.

Class 1. Nos. 145666 & 145667. Canara Industries, (a partnership firm duly registered under the Partnership Act), Bata Compound, Khopat, Pakhran Road No. 1, Thana-400601, State of Maharashtra, India. "Flood light". June 13, 1977.

Class 1. No. 145670. Kurupacherry Xavier Benedict, Kurupacherry, Ochanthuruth, Cochin-682508, Kerala, India, Indian. "Table lamp". June 14, 1977.

Class 1. No. 146210. Fidahusein Hazariwala, an Indian Citizen Proprietor of, Champho-Chem Industries, Patel Industrial Estate, Yamuna Mill Road, Pratapnagar, Vadodara-390004, Gujarat, India. "Coupling for spectacle hinge". November 14, 1977.

Class 3. Nos. 145563 to 145566. Mona Toys Industries, an Indian Partnership firm, of C-124, Rewari Line, Industrial Area Phase-II, Maya Puri New Delhi-27, India. "Toys" May 11, 1977.

Class 3. No. 145577. Rose Bud, a Partnership firm registered under the Indian Partnership Act 1932 of 4/1 Rajendra Lal Street, Calcutta, within the State of West Bengal. "Plastic container" May 16, 1977.

Class 3. Nos. 145586 to 145589. Plastic & Metal Device (India) B-24/2, Ashok Vihar Industrial Area Delhi-42, an Indian Proprietary Concern. "Pencil sharpener". May 17, 1977.

Class 3. No. 145622. Mrs. Neeta Parsram Mansey, an Indian National of H-18, Gita Society, Synagogue Street, Pune 411 001 Maharashtra State India. "Pen slimmer". May 27, 1977.

Class 3. No. 145641. Plastelia (a partnership firm duly registered under the Partnership Act), of 91, Swami Vivekanand Road, Borivili, Bombay-400 092, State of Maharashtra, India. "Comb". May 31, 1977.

Class 3. Nos. 145649 & 145650. Mrs. Neetanarsram Mansey, an Indian National, H-18, Gita Society, Synagogue Street, Pune-411 001, Maharashtra State, India. "Fork". June 6, 1977.

Class 3 No. 145656. Shree Agencies, 4E/15, Jhandewalan Extension, New Delhi-110055 (India), an Indian Partnership Firm. "Scooter compartment". June 9, 1977.

Class 3 No. 145668. Utility Industries, an Indian Partnership Firm duly registered under the Indian Partnership Act, at 118A, Government Industrial Estate, Kandivli (West), Bombay-67. State of Maharashtra, India. "A hand-operated mechanical cutter/grinder-cum-sieve". Pune 13, 1977.

Class 3 Nos. 146183 & 146184. Sardari Lal Jain, Surinder Kumar Jain, Soshil Kumar Jain, Vinod Kumar Jain, Pradip Jain and Ravinder Jain, trading as Radicura & Company, An Indian Partnership Firm, 6-M J Building, Bhagirath Palace, Delhi-110006, India, Indian Nationals. "Nasal cleaner" October 29, 1977.

Class 3 No. 146238. Diamond Plastic Products, 52, Sector 28A, Chandigarh, Union Territory of India, India, a partnership concern. "Plastic game" November 18, 1977.

Class 4. No. 145624. Mrs. Neeta Parsram Mansey, an Indian National, of H-18, Gita Society, Synagogue Street, Pune-411001, Maharashtra State, India. "Bottle". May 27, 1977.

Class 4. No. 145658. Pujara TBA Supply, 95, P. D'mello Road, Bombay-400 009, Maharashtra, India, an Indian Proprietary Firm. "Bottles". June 9, 1977.

#### CANCELLATION OF THE REGISTRATION OF DESIGN BY HIGH COURT

Registration of Design No. 144112 has been cancelled by order of Hon'ble Shri Justice M. S. Joshi dated the 16th March 1978 in Suit C.O. No. 19 of 1977 in the High Court of Delhi at New Delhi.

**S. VEDARAMAN**

Controller-General of Patents, Designs  
and Trade Marks.

